

**SYSTEM AND METHOD OF DETECTING SCANNED HALFTONE
IMAGE AND ENHANCING SUCH IMAGE FOR REPRODUCTION**

Abstract of the Disclosure

A system and method of processing a scanned image produced by scanning a halftone image formed of a plurality of image dots and having a halftone resolution and at least one halftone angle includes detecting at least one halftone characteristic of the scanned image, dividing the scanned image into a plurality of image sections based on the at least one halftone characteristic, and enhancing each of the image sections of the scanned image to create a plurality of enhanced image sections. Each image section of the scanned image includes a plurality of pixels and at least one scanned image dot formed within the plurality of pixels. As such, enhancing each of the image sections includes diffusing the at least one scanned image dot of each of the image sections.